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PATENT  
DOCKET NO. JHV-028.01

In re Application of:

Gallagher, M., et al.

Application No: 10/722,357

Art Unit: 1641

Filed: November 24, 2003

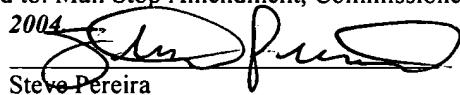
Examiner: Not Yet Known

For: Target for Therapy of Cognitive Impairment

Attention: Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

#### CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail, postage prepaid, in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on **June 17, 2004**.

  
Steve Pereira

#### INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with the provisions of 37 C.F.R. 1.97 and 1.98, Applicants hereby make of record the patents and publications listed on the accompanying Form PTO-1449, and other information contained herein, for consideration by the Examiner in connection with the examination of the above-identified patent application. Because this application was filed after June 30, 2003, copies of the U.S. patents are not enclosed. However, a copy of the foreign patent documents and copies of the references are also being submitted.

#### REMARKS

In accordance with the provisions of 37 C.F.R. 1.97, this statement is being filed:

(1) within three (3) months of the **filing date** of a national application other than a continued prosecution application under 37 C.F.R. 1.53(d), or within three (3) months of the **date of**

**entry of the national stage as set forth in 37 C.F.R. 1.491 in an international application, or before the mailing of the first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. 1.114; or**

- (2) after the period defined in (1) but before the mailing date of a **final action or a notice of allowance** under 37 C.F.R. 1.311, and
  - the requisite Statement is below, **OR**
  - the requisite fee under 37 C.F.R. 1.17(p), namely **\$180.00**, is included herein, or
  
- (3) after the mailing date of a **final action or notice of allowance** but before the payment of the **issue fee**, **AND**
  - the requisite Statement is below, **AND**
  - the requisite petition fee under 37 C.F.R. 1.17(p), namely **\$180.00** is included herein.

It is respectfully requested that each of the patents and publications listed on the attached Form PTO-1449, and other information contained herein, be made of record in this application.

#### **STATEMENT**

As required under 37 C.F.R. 1.97(e), Applicant(s), through the undersigned, hereby state either that [check the appropriate space only if either (2) or (3) is checked on the previous page and the Statement is required]:

- 1. Each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application **not more than three months** prior to the filing of the Information Disclosure Statement; or
  
- 2. No item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this Statement after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to **any individual** designated in 37 C.F.R. 1.56(c) **more than three months** prior to the filing of the Information Disclosure Statement.

Respectfully submitted,

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Date: June 17, 2004

<p style="text-align: center;">INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)</p> <p style="text-align: center;">JUN 21 2004</p>	Docket Number (Optional) JHV-028.01		Application Number 10/722,357
	Applicant Gallagher, Michela et al.		
	Filing Date November 24, 2003	Group Art Unit 1645	

**U.S. PATENT DOCUMENTS**

EXAMINER'S REFERENCE TO SEARCHED OR SEARCHED AND MAILED	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
A1	4,558,070	05/13/86	Smith			
A2	4,563,419	01/07/86	Ranki et al.			
A3	4,595,695	06/17/86	Ladkani			
A4	4,654,370	03/31/87	Marriott, III, et al.			
A5	4,683,202	07/28/87	Mullis			
A6	4,751,177	01/14/88	Stabinsky			
A7	4,868,103	09/19/89	Stavrianopoulos et al.			
A8	4,895,873	1/23/90	Schafer			
A9	4,913,906	04/03/90	Friedman et al.			
A10	5,017,613	05/21/91	Aubert et al.			
A11	5,019,398	05/28/91	Daste			
A12	5,049,586	09/17/91	Ortega et al.			
A13	5,143,854	09/01/1992	Pirrung et al.			
A14	5,162,573	11/10/92	Chiesi et al.			
A15	5,252,743	10/12/1993	Barrett et al.			
A16	5,283,317	02/01/1994	Saifer et al.			
A17	5,384,261	01/24/1995	Winkler et al			
A18	5,412,087	05/02/1995	McGall et al.			
A19	5,424,186	06/13/1995	Fodor et al.			
A20	5,440,023	08/08/95	Cheng et al.			
A21	5,451,683	09/19/95	Barrett et al.			
A22	5,563,037	10/08/96	Sutherland et al.			
A23	5,571,639	11/15/96	Hubbell et al.			

Form PTO-1449 <b>INFORMATION DISCLOSURE CITATION</b> <b>IN AN APPLICATION</b> <i>(Use several sheets if necessary)</i>			Docket Number (Optional) JHV-028.01		Application Number 10/722,357	
			Applicant Gallagher, Michela et al.			
			Filing Date November 24, 2003		Group Art Unit 1645	
A24	5,578,475	11/26/96	Jessee			
A25	5,593,839	01/14/1997	Hubbell et al.			
A26	5,599,695	02/04/1997	Pease et al.			
A27	5,624,711	04/29/1997	Sundberg et al.			
A28	5,627,175	05/06/97	Simon			
A29	5,631,169	05/20/97	Lakowicz et al.			
A30	5,631,734	05/20/1997	Stem et al.			
A31	5,641,670	06/24/97	Treco et al.			
A32	5,677,195	10/14/1997	Winkler et al.			
A33	5,705,308	01/06/98	West et al.			
A34	5,773,746	06/30/98	Vaden			
A35	5,733,761	06/31/98	Hartikainen et al.			
A36	5,744,335	04/28/98	Wolff et al.			
A37	5,856,569	01/05/99	Santaniello et al.			
A38	5,968,502	10/19/99	Treco et al.			
A39	5,976,567	11/02/99	Wheller et al.			
A40	6,020,202	02/01/00	Jessee			
A41	6,051,380	04/18/00	Sosnowski et al.			
A42	6,083,697	07/04/00	Beecher et al.			
A43	6,051,429	04/18/00	Hawley-Nelson et al.			
A44	6,131,106	10/10/00	Steele, Jr.			
A45	6,203,897	03/20/01	Koizumi et al.			
A46	6,263,287	07/17/01	Zheng et al.			
A47	6,326,462	12/04/01	Debouck et al.			
A48	6,565,844	05/20/03	Treco et al.			
A49	6,610,326	08/26/03	Chen et al.			
A50	6,702,989	03/09/04	Sacks et al.			
<b>FOREIGN PATENT DOCUMENTS</b>						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation
						YES
B1	EP 624,059 (provided as WO 93/09668)	11/17/94	AT BE CH DE DK ES FR GB FR IE IT LI LU MC NL SE			

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			Applicant Gallagher, Michela et al.				
			Filing Date November 24, 2003		Group Art Unit 1645		
/	B2	EP 0 070 685 B1	01/26/83	BE CH DE FR GB IT LI NL			
	B3	EP 0 728 520 A1	08/28/96	DE FR GB IT NL			
	B4	EP 0 728 520 B1	05/16/01	DE FR GB IT NL			
	B5	GB 2156074A	10/02/85	GREAT BRITAIN			
/	B6	WO 90/01564	02/22/90	PCT			
	B7	WO 90/15070	12/13/90	PCT			
/	B8	WO 92/10092	06/25/92	PCT			
/	B9	WO 93/06121	04/01/93	PCT			
/	B10	WO 93/09668	05/27/93	PCT			
	B11	WO 94/08051	04/14/94	PCT			
/	B12	WO 94/10300	05/11/94	PCT			
/	B13	WO 95/01195	01/12/95	PCT			
	B14	WO 95/12608	05/11/95	PCT			
	B15	WO 95/30642	11/16/95	PCT			
	B16	WO 95/35503	12/28/95	PCT			
	B17	WO 96/17958	06/13/96	PCT			
	B18	WO 97/10365	03/20/97	PCT			
	B19	WO 03/025122 A2	03/27/03	PCT			
/	B20	WO 86/03782	07/03/1986	PCT			
/	B21	WO 97/17076	05/15/97	PCT			
	B22	WO 97/17471	05/15/97	PCT			
<b>OTHER DOCUMENTS</b>			<i>(Including Author, Title, Date, Pertinent Pages Etc.)</i>				
	C1	Abbott, "Nature, 417:109, 2002					
	C2	Ahn et al., Proc. Nat'l. Acad. Sci., USA, 100;1740-4, 2003					
	C3	Amador and Wacker, Clin Chem 8:343, 1962					
	C4	Aronica et al., Eur. J. Neurosci. 17: 2106-18, 2003					

Form PTO-1449 <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b> <i>(Use several sheets if necessary)</i>		Docket Number (Optional)  JHV-028.01	Application Number  10/722,357	
		Applicant  Gallagher, Michela et al.		
		Filing Date  November 24, 2003	Group Art Unit  1645	
C5	Barlassina C, et al. J. Am. Soc. Nephrol. Suppl., 3:S155-S164, 2002			
C6	Bowtell, David D. L., Nature Genetics Suppl., 21:25-32, 1999			
C7	Chappell et al. Neuropharm. 37: 481-488; 1998			
C8	Colombo et al. Proc. Natl. Acad. Sci., U.S.A., 94: 14195-14199, 1997			
C9	Conradt, J. Neurochem. 68:1244-51 1997			
C10	Do et al., Anesth. Analg. 95:1263-8, 2002			
C11	Duggan et al. Nat. Genetics, 21:10-14, 1999			
C12	Eberwine et al., Proc. Natl. Acad. Sci., U.S.A., 89:3010-3014, 1992			
C13	Figiel and Engle, J. Neurosci. 20: 3596-3605, 2000			
C14	Fodor et al., Science 251:767-777, 1991			
C15	Gallagher, M. et al., Behav. Neurosci. 107:618-626; 1993			
C16	Gallagher and Burwell, Neurobiol. Aging 10: 691-708, 1989			
C17	Hassel et al., J. Neurochem. 77: 1285-1292, 2001			
C18	Heemskerk et al., T.I.N.S., 25: 494-496, 2002			
C19	Hegde et al., BioTechniques, 29:548-562, 2000			
C20	Hegele RA., Trends Endocrinol. Metab. 14:371-377, 2003			
C21	Hughes, et al., Nature Biotechnology, 19: 342-346, 2001			

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		Applicant Gallagher, Michela et al.		
		Filing Date November 24, 2003	Group Art Unit 1645	
C22	Inoue et al., Nuc. Acids Res. 15: 6131-6148, 1987			
C23	Karmen, J. Clin. Invest. 34:131, 1995			
C24	Lin et al., Nature 410: 84-88, 2001			
C25	Livesey et al., Current Biology 10:301-310, 2000			
C26	Lockhart et al., Nature Biotech. 14:1678-1680, 1996			
C27	Moro and Lerner, J. Biol. Chem. 272(2):966-70, 1997			
C28	Murphy, et al., J. Neurosci. 78: 704-714, 2001			
C29	Nicolle et al. Neuroscience 74: 741-756, 1996			
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C31	Obaru et al., J. Mol. Biol. 200:13022, 1988			
C32	O'Loinsigh, et al., J. Neurochem. 88: 370-379, 2004			
C33	Rapp and Gallagher, Proc. Natl. Acad. Sci., U.S.A., 93: 9926-9930, 1996			
C34	Sakai et al., Anal. Biochem., 287: 32-37, 2000			
C35	Schena et al., Science, 270:467-470, 1995			
C36	Schena et al., TIBTECH, 16:301-30, 1998.			
C37	Sheldon et al., Clin. Chem., 39:718-719, 1993			
C38	Shih, et al. Curr. Diab. Rep. 2:125-134, 2002			

Form PTO-1449

**INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION**  
*(Use several sheets if necessary)*

Docket Number (Optional)	JHV-028.01	Application Number
Applicant	Gallagher, Michela et al.	
Filing Date	November 24, 2003	Group Art Unit 1645

C39	Shimada et al., Eur. J. Pharmacol. 386:263-70, 1999
C40	Spirin et al., Investigative Ophthalmology & Visual Science, 40: 3108-3115, 1999
C41	Su et al., Proc. Nat'l. Acad. Sci., U.S.A., 100:1955-1960, 2003
C42	Wei et al., Proc. Nat'l. Acad. Sci., U.S.A., 100:10782-7, 2003
EXAMINER	DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE